power between said central and peripheral optical zones to provide a correction for the vision for near and for the vision for far in the same lens without junction zone.

What is claimed is:

1. A multifocal contact lens having a convex external face (4) and a concave inner face (1),

said inner face (1) being aspherical and having an aberration and thus corrective power varying continuously from a center (3) of said inner face (1) towards a periphery (2, 2') of said inner face (1),

said inner face (1) having a central portion (B) locatable in front of the most sensitive part of an eye and having at its center (3) a maximum aberration value which rapidly and progressively decreases radially from said center (3) within said central portion (B) and slowly towards the periphery (2, 2') of the lens so as to provide in a central zone (A) of said central portion (B), a correction for vision for near and in a portion (E) radially succeeding, a correction for vision for far,

said aspherical face (1) having a shape of a portion of a surface of revolution, a meridian of which having the shape of a curve with an axis of revolution (X—X) located in a way such that said center (3) in the central zone (A) is angularly projecting towards the eye.

2. Multi focal contact lens according to claim 1, wherein said curve is a circular, parabolic, hyperbolic or elliptic curve.

3. Multifocal contact lens according to claim 1, wherein said aspherical inner face (1) has the general shape of a torus portion (2) wherein a center (C2) of the curved portion generated by rotating said torus portion (2) is laterally shifted from the axis of revolution (X—X) and is located on the same side of the axis of revolution (X—X) as said curved portion (2).

4. Multifocal contact lens according to claim 3, wherein the convex external face (4) is aspherical and has the general shape of a torus portion (5) with a center (C5) of a curved portion (5) generating said outer face torus portion (5) being laterally shifted from the axis of revolution (X—X) and located beyond said axis of revolution (X—X) with respect to said curved portion (5).

5. The contact lens of claim 1, characterized in that said lens is selected from a soft contact lens, a hard contact lens, a flexible contact lens, or any combination thereof.

6. The contact lens of claim 1, characterized in that it is manufactured by casting in a mould of appropriate shape.

* * * * *